

# UNIVAL™ DMDG-6200 NT 7

High Density Polyethylene Resin

The Dow Chemical Company

## Message:

UNIVAL™DMDG-6200 NT 7 is a multi-purpose polymer, a high-speed production line using blow molded containers, which are used to package household chemicals, toilet products, cosmetics, health and medical aids, food, etc. This product is specially developed to achieve excellent processing performance on all blow molding equipment, including continuous extruder equipment.

excellent processing performance

High melt strength

Excellent balance between stack strength and ESCR

Comply with the following regulations:

U.S. Food and Drug Administration Regulation 21 CFR 177.1520 (c) 3.2a

U.S. FDA-DMF

Meet the requirements of the Canadian Health Products and Food Agency (HPFB): No objection (with restrictions)

EU, No 10/2011

Please check the regulations for complete details.

General Information			
Agency Ratings	DMF not rated		
	FDA 21 CFR 177.1520(c) 3.2a		
	HPFB (Canada) No Objection 2		
	Europe No 10/2011		
Forms	Particle		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.953	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.38	g/10 min	ASTM D1238
190°C/21.6 kg	41	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	40.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	59		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	24.8	MPa	ASTM D638
Fracture	23.4	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	4.0	%	ASTM D638
Fracture	570	%	ASTM D638
Flexural Modulus			ASTM D790B
2% secant	814	MPa	ASTM D790B
Tangent	1310	MPa	ASTM D790B

Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength <sup>1</sup>	168	kJ/m <sup>2</sup>	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	67.8	°C	ASTM D648
Brittleness Temperature	< -76.1	°C	ASTM D746
Vicat Softening Temperature	129	°C	ASTM D1525
Melting Temperature (DSC)	131	°C	Internal method
Peak Crystallization Temperature (DSC)	118	°C	Internal method
Additional Information			
根据 ASTM D 4976 进行基板模制和测试.			
NOTE			

1. Type s

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